

ORNL Family Day offers energy experience

"ORNL Family Day '80...An Energy Experience," is the theme for this year's event, set for Saturday, November 8. ORNL facilities at both the X-10 and Y-12 locations will be open to the families and friends of Nuclear Division and DOE employees and retirees and DOE contractors.

Family Day provides an opportunity to see what is being done to solve some of the nation's energy problems. Displays and experiments will acquaint visitors with the progress being made through the programs at ORNL.

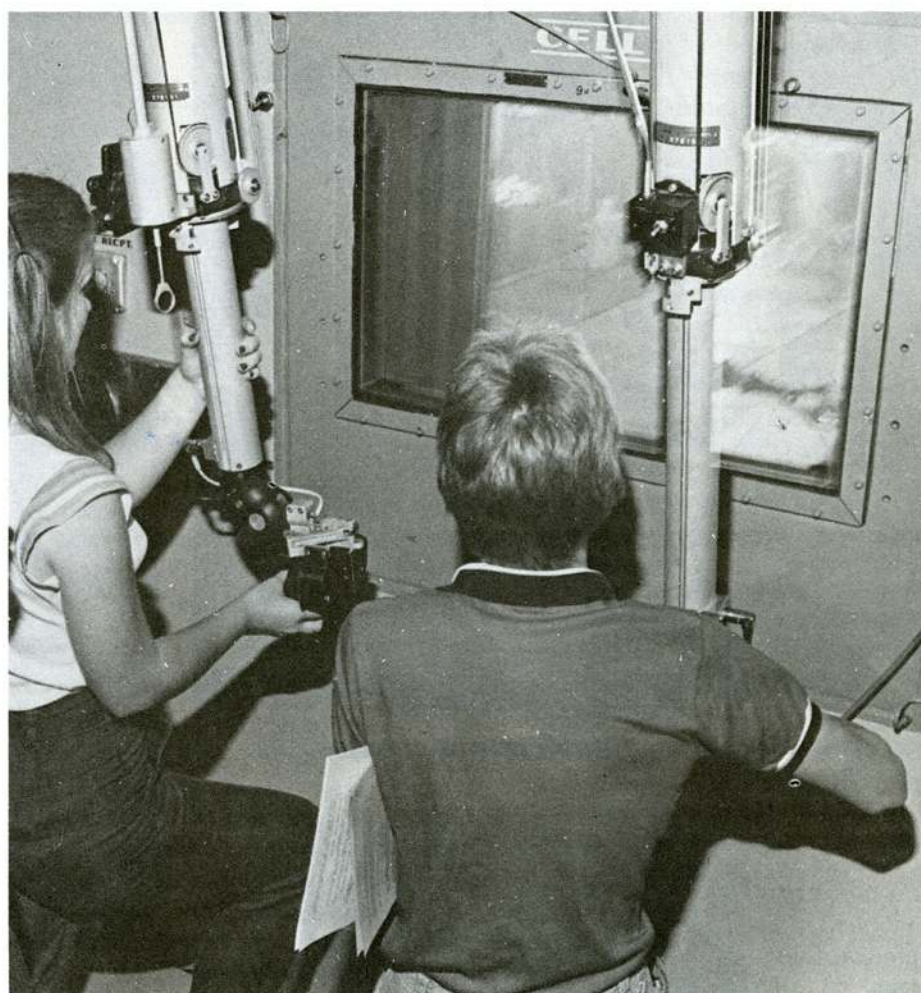
Over 4,000 persons attended the last event, held in May 1978. The admission requirement for guests at Family Day '80 is that they be accompanied by an employee. Each employee is responsible for the visitors he/she brings to the facilities. Noncitizens must utilize special pre-registration forms. Nuclear Division employees should go through their division directors for approval; DOE employees and contractors must go through DOE.

Various research activities will be featured in the form of guided tours, demonstrations, displays and exhibits. The newly renovated Information Center Complex in Building 2001 will be an added attraction this year.

More information about ORNL Family Day '80 can be obtained by contacting one of the following division representatives:

1980 Family Day Committee

Public Relations: Ed Aebischer, Cindy Ross Lundy, Billie McAlexander
Analytical Chemistry: L. T. Corbin
Biology: J. Ralph Inman
Central Management: Grover C. Cain
Chemical Technology: H. B. Graham
Chemistry: Paulette Hall
Computer Sciences: Sherrill O. Smith, Betsy A. Clark
Employee Relations: John C. Dougherty
Energy: Charles R. Kerley, Van D. Baxter
Engineering: Jim Corum
Engineering Physics: H. A. Todd
Engineering Technology: Paul P. Haydon
Environmental Sciences: David K. Cox
Finance and Materials: W. O. Graves
Fusion Energy: Caila Cox
Health: Judy Morton
Health and Safety Research: Thomas G. Matthews
Industrial Safety and Applied Health Physics: Mike Knazovich
Information: Jeanne C. Auxier
Instrumentation and Controls: R. T. Roseberry
Laboratory Protection: Shields W. Smith
Metals and Ceramics: James L. Johnson
Operations: William R. Casto
Physics: William T. Milner
Plant and Equipment: Dvon Brogan
Quality Assurance and Inspection: P. S. Lee
Solid State: Frank Kocur



MECHANICAL MANIPULATORS in the High Radiation Level Examination Laboratory were a popular attraction at Family Day '78. They will again be featured in this year's program, set for Saturday, November 8.

UNION
CARBIDE

Nuclear Division News

● Vol. 11/No. 21 ● October 16, 1980



In this issue...

Over 600 persons attended the 17th annual hootenanny for ORGDP employees and their families. See page 4 for more pictures from the annual event.

Other features in this issue:

Retirees' picnic page 2

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National Environmental Research
Park dedicated page 8

'Deer' record set recently on Oak Ridge Reservation

A record was set October 8. For the first time, three accidents involving deer and vehicles occurred on the Oak Ridge Reservation in the same day.

These collisions brought to 51 the number of deer that have been killed by vehicles so far this year—about 30 percent more than were killed by October 1979.

Motorists are again cautioned to observe deer crossing signs and to be alert even in areas where there are no signs. Deer are most active in early morning and early evening and can dart in front of a car without the slightest bit of warning.

The number of deer/vehicle accidents on the reservation has increased steadily during the last 10 years. In 1969, when environmental scientists began keeping records, only one deer was killed. In 1977, the number increased to 20; in 1978, it more than doubled to 45; and 1979's figure was 78. This year, with 51 kills to date, the number is expected to go past the 100 mark.

The increase can be attributed, primarily, to the increase in the size

of the reservation's deer herd. It was estimated to be about 500 deer in 1977, and probably numbers close to 1200 now.

Tom Kitchings, ORNL Environmental Sciences Division, advises motorists to slow down, as well as to remain alert. "Although it is impossible to avoid hitting a deer in some instances, by driving slower you will likely minimize the damage to yourself and your car," he said. Vehicle damage has ranged from \$200 to \$1700 in cost. So far, there has been no injury to persons involved in the accidents.

Time changes October 26

Remember that hour you lost back in the early spring? You can gain it back Sunday, October 26. At 2 a.m. it will become 1 a.m. standard time. Employees reporting to work Saturday, October 25 at 11 p.m. will clock in on daylight saving time and out on standard time (that's Eastern time in Oak Ridge; Central in Paducah).

Retirees stage handicraft show at reunion-picnic



Bill Dunlap's miniature chests



Penny and Ollie Keene with needlepoint rug



Eugene Black with belt buckles, tie clasps



Sylvia Meyers and her art exhibit



Louise Moore's needlecraft

October's 'bright blue weather' brought out a huge crowd at the Clark Center Recreation Park as member of the Union Carbide Retirees Association gathered for their fall reunion picnic.

The highlight of the day was a huge display of arts and crafts that showed talent in abundance among UCRA members. For example, nearly everyone wanted a look at Penny Keene's fabulous needlepoint rug!

Paintings, sculpturing, weaving, crocheting, sewing, woodwork and needlecraft occupied much of the display area.



Iva Jones and her afghans



Medicine Chest

Toxic Shock Syndrome

by T. A. Lincoln, M.D.

(Editor's Note: Dr. Lincoln alternates his regular column with "The Medicine Chest," where he answers questions from employees concerning health in general. Questions are handled in strict confidence, as they are handled in our Question Box. Just address your question to "Medicine Chest," NUCLEAR DIVISION NEWS, Building 9704-2, Stop 21, Y-12, or call the news editor in your plant, and give him or her your question on the telephone.)

The news media have been full of warnings about the potential hazards of the use of tampons. This convenient absorbent device has been used by millions of women during their menstrual periods over the past 25 years. Now the spectre of a rare but sometimes fatal infection associated with their use has caused many questions and much anxiety. The purpose of this article is to summarize the current findings and to pass on the recommendations of the Center for Disease Control (CDC) of the U.S. Public Health Service.

Symptoms of TSS

Approximately 95 percent of the cases of Toxic Shock Syndrome (TSS) occurred during the women's menstrual periods, and almost all the women had been using tampons. That association is not sufficient to

establish a cause and effect relationship, but the evidence is sufficient to cause considerable alarm.

TSS begins suddenly with high fever, vomiting, diarrhea and muscle ache. The illness may progress with alarming speed, and the patient may go into shock. A "sunburn-like" rash appears during the rapid progression of symptoms. About ten days later, the skin around the rash usually peels, particularly the palms and soles. The mucous membranes of the vagina, mouth and throat may become red and inflamed, and the lining of the eyelids (the conjunctiva) may get red. Laboratory studies show disturbances in liver, kidney and muscle function. In severe cases, the skin may bruise easily or hemorrhage spontaneously.

Since January 1980, 299 cases of TSS have been reported to CDC, with

25 resulting in deaths. Cases have been reported since 1975, but the rate of new cases accelerated rapidly this summer. In 52 cases, the onset of the illness occurred in July or August.

An accidental association?

Because the illness is new, relatively little research has been possible, except for studying the characteristics of the "epidemic." The most complete report so far appeared in the CDC Morbidity and Mortality Weekly Report of September 19, 1980.

Naturally, there is concern that the use of tampons may have nothing to do with TSS. It may only be an accidental association. Nevertheless, the evidence seemed sufficient to issue a warning. Fifty of the 52 patients who reported their illnesses during July and August were contacted. All 50 had used tampons during the menstrual period associated with the illness. Each was asked to provide names of three female friends or acquaintances within three years of their own age who lived in the same geographical area. Eighty-three percent of these women also used tampons.

TSS organisms

Because one particular brand was more commonly used by those who developed TSS, and because the use of that brand was no more common in the control population questioned, it was withdrawn by the manufacturer. The population studied was small, but the statistical association was significant.

The organisms that cause TSS are the common bacteria *Staphylococcus aureus*. They cause boils, carbuncles, impetigo and miscellaneous skin infections and may cause devastating internal infections of the lungs and bones. The name is derived from the golden (aureus) yellow pigment produced during growth of the bacteria. These organisms were cultured from the vaginas of 42 of 43 women with TSS, but they could be cultured in only 4 of 55 control women who visited family planning clinics during their menstrual periods!

Avoid continuous use

Why this rare but dangerous infection is associated with tampons is unknown. The tampon may carry the organism from the fingers into the vagina. It is probably more likely that the retained blood and menstrual tissue provide a culture mechanism that somehow favors the growth of the *S. aureus* bacteria in some women. The fact that the growth of the bacteria has been associated with continuous rather than intermittent use of tampons during a period favors this idea.

Until this disorder is better understood, it is probably prudent for women to forgo the use of tampons. If that is not possible, at least the continuous use during a specific menstrual period should be avoided. If a woman wearing tampons develops high fever and vomiting, she should discontinue their use immediately but report their previous use when a physician is contacted. Aggressive treatment using special antibiotics is usually successful.

Office safety tips

The following common-sense tips will help promote safety in the office:

1. Be careful going around corners or opening doors; there may be someone rushing toward you from the other side.
2. In multi-drawer file cabinets, place heaviest loads in lower drawers to avoid tipping entire cabinet when top drawer is opened.
3. Don't leave desk, cabinet or file drawers open; sharp edges can cause scratches or bruises and snag your clothing.
4. Be sure electric cords for telephone, typewriter, pencil sharpener or calculator are secured out of the way of traffic to avoid tripping anyone.
5. Don't lift or carry equipment that is too heavy for you; get help to avoid a strained back.
6. Don't rush up or down the stairs; the toe or high heel of your shoe may get caught on the step and trip you.
7. Extinguish cigars or cigarettes in ashtrays, not in your wastebasket.

Patent Granted

William E. Barkman, Y-12 Plant, for "Linear Drive System."



FIRE PREVENTION COMMITTEE—ORGDP's Fire Prevention Committee meets to make plans for making the plant safer and more 'fireproof.' Seated from left are Kathie C. Shearer, Finance, Materials and Services; Julianne B. Gilliland, Operations Analysis and Planning; Linda M. Blankenship, Engineering; Robert L. Payne, Shift Operations; Gary L. Hatmaker, Operations; Jim L. Shoemaker, Enrichment Technology; B. N. "Buz" Strunk, Purchasing. Standing are Jim D. Bailey, cochairman, Security and Plant Protection; William A. Schimmel, Auditing; William M. Farmer, General Accounting; Charles C. Dinks, Barrier; Bill I. Wyatt, Computer Sciences; Josephine H. Stewart, Maintenance; and John D. Hoogesteger, chairman, Security and Plant Protection. Not pictured are Timothy E. Bard, Environmental Management; Leonard A. Headrick, Employee Relations; Herb F. Higdon, Separation Systems; and Robert C. May, Technical Services.

ORGDP's 17th hootenanny draws over 600

PH80-3992



Over 600 people attended the "biggest yet" barbecue-hootenanny for ORGDP staff members, as the weather was ideal for the 17th annual gathering.

One of the highlights was a seven-piece band, one of the better local groups, called the Barnstorm. They played old favorites and current hits, running the gamut from country to easy listening to hard rock, with a splash of 50's music thrown in. The crowd enjoyed dancing and listening.

There were games, competition, and of course, the star of the event...barbecue.

PH80-4010



PH80-4013



PH80-4003



PH 80-4001



Why "ask supervisor?"

QUESTION: In many of your responses you state "check with your supervisor." Surely you know the system well enough to realize that if we ask we are considered troublemakers. Are there other alternatives?

ANSWER: We certainly do not share your opinion that if you ask questions of your supervisor, you will be considered a troublemaker. One of the most important responsibilities of supervisors is to communicate with employees. He/she is in the best position to answer work-related questions and can tell an employee where to get answers to questions beyond his/her scope of responsibility.

If your supervisor cannot give you an answer, or if you disagree with the answer given, you may go to his/her supervisor or to your Division Manager/Director or Employee Relations Manager; or, as a final step, you may take advantage of your Installation Manager's "Open Door Policy" without fear of recrimination in any of these cases.

Dress code at ORGDP?

QUESTION: Does ORGDP have a dress code? If so, please describe it.

ANSWER: The Company does not have a dress code as such.

Employees are, however, expected to dress in an appropriate and acceptable manner with due regard for suitability and safety in the work place. Employee attire or the manner in which it is worn should not be offensive or distracting.

Cigarette pack savings

QUESTION: There's a story going around Alpha 5 in Y-12 that saving cigarette packs will help pay for a kidney machine for some patient. Is there any substance to this?

ANSWER: We are unable to confirm the validity of any such project. A check with the Knoxville office of the Kidney Foundation of Tennessee revealed that they are aware of such reports, but know of no basis for them.

Rules for adopted?

QUESTION: I was adopted when I was a child. Does the funeral leave policy apply in connection with the parents who adopted me?

ANSWER: Where a legal adoption has occurred, the funeral leave policy is the same as in blood relationships.

United Way campaign continues

Although employees at the Division's three Oak Ridge facilities have contributed almost \$820,000 during this year's United Way drive, it appears that the campaign may fall approximately eight percent short of meeting its goal and commitments to area agencies.

This year's campaign objective is based on last year's rate of giving (the larger goal is a result only of an increase in total payroll dollars), so it appears that the rate of giving for 1980 will be considerably less than in previous years.

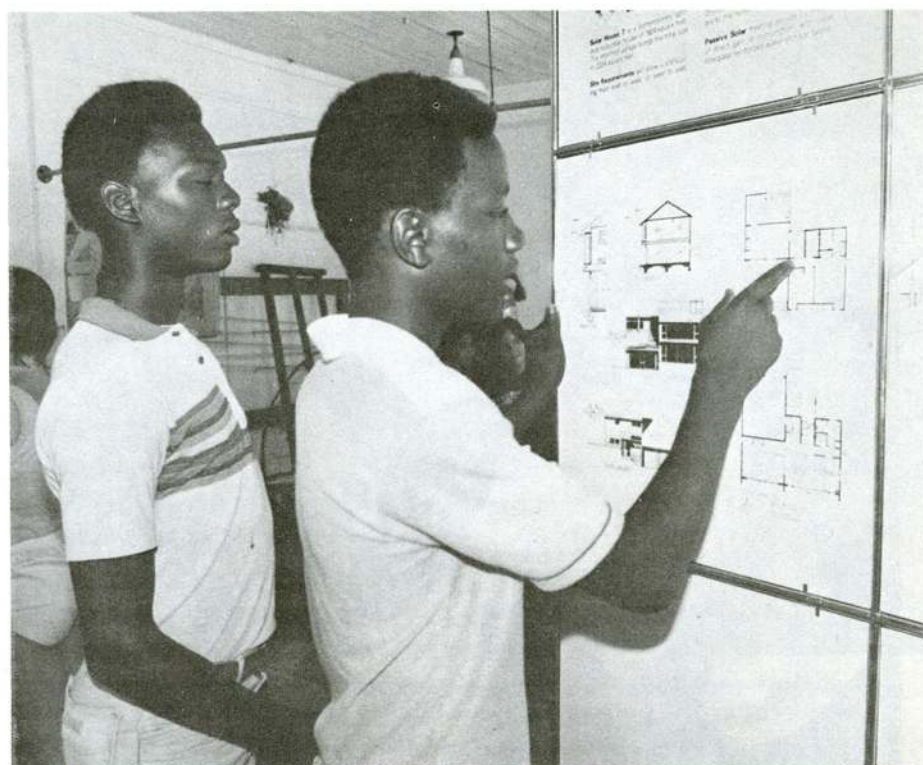
The real concern, however, is the potential impact of the shortfall on various United Way agencies. Many local contributions, like those of Division employees, are matched by Federal funds. Thus, the total loss to an agency is not always simply the

uncontributed local amount, but also the additional matching funds.

Any employees who are interested in helping the campaign meet its commitments to these agencies should contact their solicitors or division coordinators about filling out a buff-colored card for an initial contribution or a blue card for an increased contribution.

If you are reconsidering your United Way contribution, you might keep in mind the following statistics: the minimum needed-share pledge of 0.3 percent corresponds to only one-half hour's worth of earnings each month; a pledge increase of 0.1 percent would commit only an additional ten minutes of an employee's monthly earnings.

To make a pledge, please contact your United Way solicitor or division coordinator by Friday, October 24.



ENERG(Y)TIC STUDY—Students in Paducah's Summer Science Student Program (SSSP) study a demonstration of solar home designs at TVA's Land Between the Lakes, a national demonstration in outdoor recreation and environmental education. Students participating in the SSSP will be tested against a student control group at the end of the session to evaluate the project's effectiveness.

Students discover energy

Wendell Cornwell, a junior at Paducah Tilghman High School, said he has "made discoveries" about Western Kentucky since he enrolled in the Summer Science Student Program (SSSP) sponsored by the Paducah Plant. "I never knew TVA was so involved in solar energy up at the lake," he said. Cornwell would like to build a passive solar house some day. "It would be a lot of work," he said, "but I would sure like to try it."

The field trip to TVA's Land Between the Lakes that Cornwell mentioned was one of many made during two six-week summer sessions in which 30 local students participated. Other visits included the Paducah Plant, Shawnee Steam Plant, Westvaco Papermill, Sinclair Strip Mine and Paradise Steam Plant.

The SSSP is designed to motivate economically disadvantaged but academically talented students to complete high school and to pursue further educational and skill training leading to energy-related employment. Funding for the program is provided by the Department of Labor through an interagency agreement with DOE.

The program, which began in June, will run for two consecutive summers. During these periods, the program participants receive special instruction in math, science and communication skills. This instruction is supplemented by guest lectures, group projects and visits to energy-related projects in the area, such as the Paducah Plant.

Charles Cissell, Tilghman science instructor and administrator of the student program, believes that the strength of the program lies in the

opportunity it affords the participants. "It gives them a chance to inform themselves about energy sources and uses and the availability of conservation systems on an individual basis," he said. "It provides them with some simple answers while also allowing them to learn about their very existence with respect to energy."

Cissell noted that this program is unique in that it "threads together a central theme among several disciplines, such as math, science and communications. When the students are in a math session, they are working with kilowatts and BTU's; in the communications class, they are writing about energy-related topics," he explained. This type of organization, he feels, results in a more effective means of studying the energy topic.

A program guidance counselor provides regular group and individual counseling sessions to augment the progress of the participants in various areas. Each summer period will also be supplemented with bi-monthly project meetings held throughout the following academic year.

Paducah was selected as a result of a grant proposal submitted by Union Carbide and the Paducah School Board to DOE. It is one of five pilot projects in the nation.

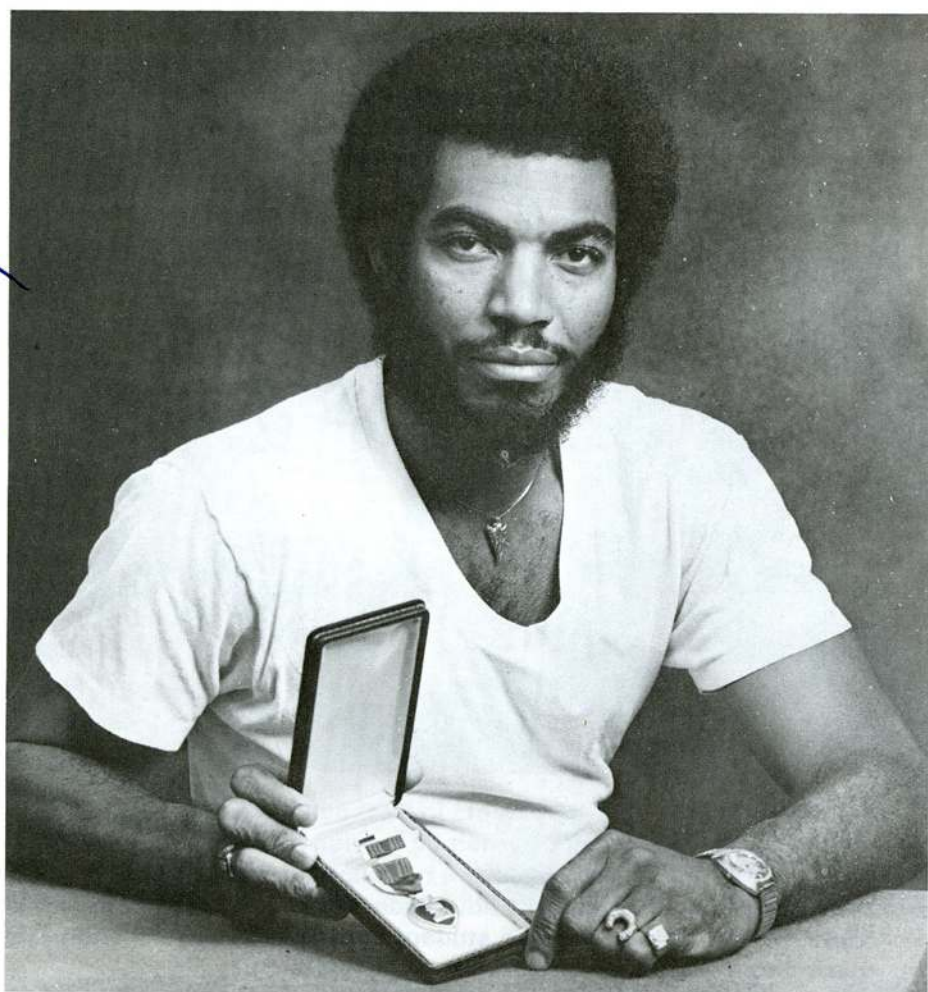
"We believe that sometimes all a student needs is one opportunity to develop his full potential," explained Bill Penry, Union Carbide's coordinator for the project. "We hope this experience will provide that important opportunity and prove to be a highly successful example of what can be accomplished when industry and education pull together."

Safety Scoreboard

Time worked without a lost-time accident through October 9:

Y-12 Plant	17 Days	591,000 Employee-Hours
ORGDP	20 Days	635,375 Employee-Hours
ORNL	151 Days	3,561,911 Employee-Hours
Paducah	72 Days	690,000 Employee-Hours

180-127



"For wounds received in connection with military operations against a hostile force."

Stores' Bennie Dawson wins Purple Heart...14 years late!

So reads the Purple Heart...the military's award for getting a severe injury during war or from enemy action.

Bennie Dawson, Delivery Department in Y-12's Materials and Services Division, was recently honored by the U. S. Army. He received his Purple Heart in the mail...14 years after being hurt in Vietnam.

It was May, 1966 when Dawson, along with five other soldiers were

thrown from their truck by an explosion. On June 16 of that year the six were recommended for the Purple Heart - and that's the last Dawson heard of it - until mid-August.

Then it came in the mail.

He had made several checks on his award, but to no avail. One theory is that his name was misspelled on the original recommendation. It was "Bonnie Dawson."

Around the alleys...

Y-12 Classic...

The Playboys and All Stars are tied for first place in the Classic League. Weekly high scores went to the Kingpins with a 1104 handicap game, which moved them into first place for the season. The Has Beens rolled a 3129 handicap series, which also placed them first for the season high series. Richard Sampson, Splinters, won high handicap game and series rolling a 266/680.

U.C.C. Mixed...

The Split Images lead by one point over the Alley Wreckers in the UCC Mixed. The Hits & Misses rolled an 880 handicap game moving them into first place for the season. Dave Mosley, Scalawags, moved into first place for the season rolling a 698 high series. Sheila Wood took high handicap game and series with a 254/674.

K-25 Tuesday Men's...

The Mishaps have a 22 point lead over the Valve Shop in the Tuesday Men's League. Weekly scratch scores were won by G. T. Marrow, All Stars, for his 215/580. B. E. Vaughn, The Team, won high handicap series with a 675. A. T. Legeay, Atoms, rolled a 242 handicap game.

K-25 Wednesday Men's...

The Operators have a three point lead over the Amps in the Wednesday Men's League. Weekly prize winners were Sue's Sooners for handicap series of 2946. The Amps took handicap game rolling a 1028. Chuck McCluskey, Sue's Sooners, won high scratch series with a 573. Clarence Hamilton, Destroyers, rolled a 650 handicap series. High team game was won by the Amps with a 1028. Lou Finley, Amps, rolled a 216 scratch game.

ORNL "A"...

The Dynamics lead over the Limits in the "A" League. Norm's Raiders are in third position. The Limits won the weekly prize for their 3013 handicap series. Bill Davy, Zots, rolled a 663 individual series. Urso, ORAU, won high handicap game with a 254. Paul, Ten Pins, won high scratch game rolling a 215.

ORNL "C"...

The Hit Men have a twelve point lead over the Cellar Dwellers this week. The Knuckleheads won the weekly prize for handicap series rolling a 2994. Meyer, Old Men, won individual handicap series with a 684. Darrel Arthur, Remkeys, won high handicap game rolling a 246. Higgins, Knuckleheads, and McKnight, Easy Rollers, tied for high scratch game of 211.

ORGDP Women's...

The Payoffs have a 9½ point lead over the Guttermaids in the Women's League. The Woodbees are in third place. Clyde Montgomery, Mouse Chasers, rolled a 221/247 game; 549 scratch series. Scarlett McCollum was bowler of the week rolling a 196-235-213 = 644 handicap series.

Retirees forming bowling league

The retirees from Carbide in the Oak Ridge area are beginning a bowling league. They will hit the alleys at Tri County Lanes on Mondays at 1 p.m. All interested retirees are invited to participate. President will be George Bullock, Carl Frazier will serve as secretary and Rubye Ratjen will be treasurer. The mixed league will roll for 20 weeks.

UNION
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Nuclear Division News

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ON TO NEW ORLEANS—At the Retirees Association party recently a 'sign-up' table was featured for the Thanksgiving trip to New Orleans. Above are members who are already planning the trek.

At RSCC

Futtrell's young scholars study adult subjects

"They're going to have to live with computers later on, so it's best they learn about them at an early age," says Terry L. Futtrell, Plant Laboratory in Y-12. Futtrell teaches a class of second and third graders at Roane State Community College.

The youngsters are taught foreign languages chemistry, poetry, art appreciation, music and computer literacy.

The computer class is part of the Saturday Scholar program, designed for exceptionally bright youngsters from the area. They are taught foreign languages, chemistry, poetry, art appreciation, and computer literacy.

It all began when his daughter Melanie brought home a project in her World of Science class. She used the microcomputer and became fascinated with its potential. The community services director convinced Futtrell that there were possibilities in teaching youngsters what appear to be adult courses.

"Computers do not think, and they rarely make mistakes. Most mistakes are caused by human error."

Futtrell taught previously at the high school level (three years at Central High), but he had not considered teaching younger students.

"First, you have to destroy a lot of myths," Futtrell explains. "Since a lot of our conceptions of computers came from '2001-Space Odyssey,' they are essentially wrong. Computers do not think, and they rarely make mistakes. Most of the mistakes are caused by human error."

There are games to be played, and a voice synthesizer fascinates the third graders.

There are games to be played, and a voice synthesizer fascinates the third graders. Futtrell related how he taught them a game at a recent class, and when he got back around to the group again, one student had already mastered the game and figured out how to win it every time.

The class in computer literacy, with 10 students, will consist of 12 classroom hours. The final two weeks will be held in Oak Ridge, where the students will get a chance

to see some big computers and learn of their potential.

Futtrell, who has been with Union Carbide for 10 years, is a native of Morgan County. He has a degree from the University of Tennessee in electrical engineering.

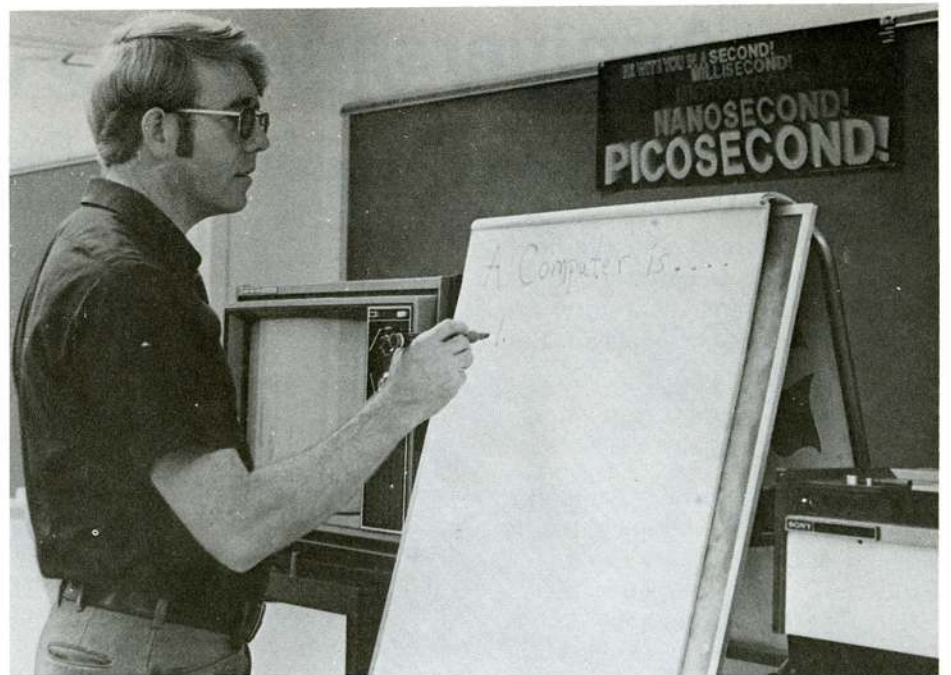
He tells his experiences after three or four classes and is still amazed at the brightness of the young children. "They were selected because of their brightness, and I can readily believe that," he said.

The courses are experimental in nature, and teachers face some unusual problems.

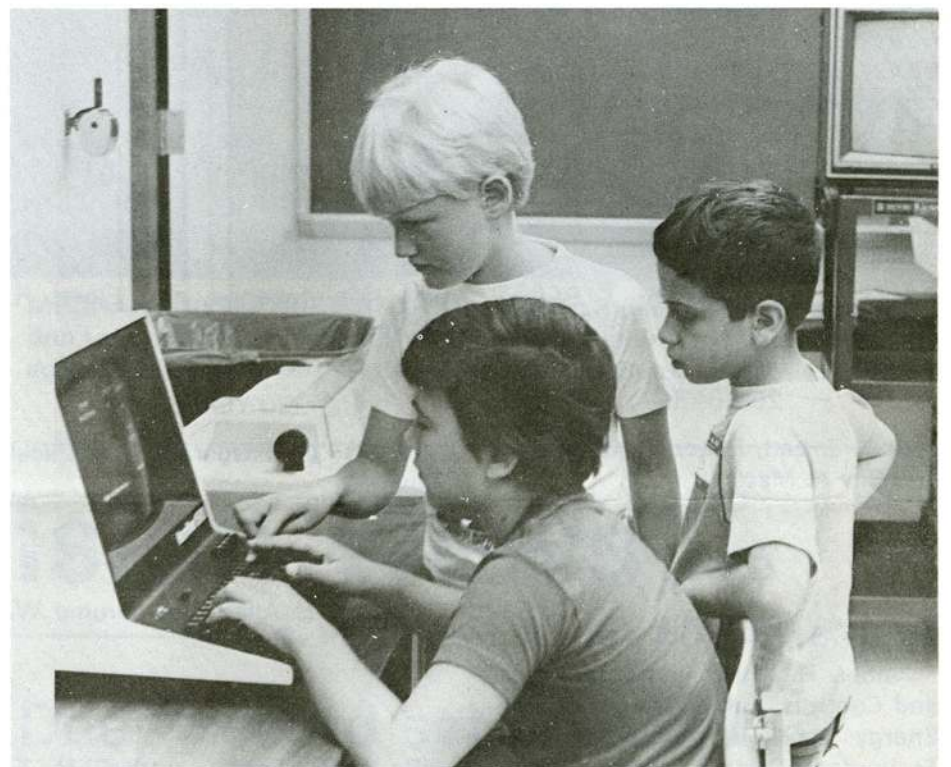
The computer course was the first to fill up with registrants, according to officials at Roane State. The courses are experimental in nature, and teachers face some unusual problems. There is little literature, and there are no texts and very few references of other experiences in the teaching of computer science to 10-year-olds and under.

The course is officially described by Roane State as a general introduction to computers. Basic language is used for a "hands-on" experience; youngsters play games, write stories, study basic math function and learn what computers can and cannot do.

Educational experts have found children most adaptable to innovations in concept right after they have learned to read. Thus, throwing computer science to a youngster is not such a wild adventure after all, according to Futtrell.



JUST A PICOSECOND!—Terry Futtrell, Y-12 Plant Laboratory, begins a lecture to his Saturday scholars at Roane State Community College. The Saturday program is open to above-average children to heighten their interest in subjects many adults take for granted. The students are in grades two and three.



HANDS-ON EXPERIENCE—Tom Evans mans the computer as Johnny Nunn, standing at left, and Tony Bevelacque look on in the Saturday Scholar program. The intent of the computer course is to familiarize the young students with the capacity of the computer—what it can do and can't do.



WITH STUDENTS—Terry Futtrell is seen with his Saturday class. From left are Allen Oliver, Carla Rivers, Tony Bevelacque, Ann-Scott Whitmire, Todd Dunsmore, Ricky Sigler, Bradley Moore, Tom Evans, Johnny Nunn and Aaron Gallaher.

Anniversaries

Y-12 PLANT

35 YEARS

William E. Green and Martin L. Sullivan, Guard Department; Georgia L. Allen, Plant Laboratory; and Luther L. Bridges, Materials and Services Division.

30 YEARS

Howard L. Horne, Buildings, Grounds and Maintenance Shops; William S. Dritt, Quality Evaluation; Rupert O. Osborn, Buildings, Grounds and Maintenance Shops; Calvin A. Scarbrough, Process Maintenance; William M. Stephan, Buildings, Grounds and Maintenance Shops; Leonard Bowers Jr., Process Maintenance; J. R. Harris, Utilities Administration; Emerson S. Henck, General Shops; Andrew C. Wright, Alpha 5 Processing; Goffred F. Moretto, Process Maintenance; Edward H. Steelman, Building Services; Hollis R. Southern, Chemical Services; Curtis B. Wilson, Process Maintenance; Howard R. Phillips, Electrical and Electronics; Walter L. Simmons, Process Maintenance; William A. Coker, H-1 Foundry; and Samuel F. Sparks, Process Maintenance.

25 YEARS

Basil E. Lett, Robert R. Stokes Jr. and Ray A. Mackey.

ORNL

35 YEARS

James H. Knox, Instrumentation and Controls; Earl C. Moore, Fusion Energy; Robert B. Waters, Chemical Technology; Clyde D. Watson, Chemical Technology; Nelson E. Wilkins,

Plant and Equipment; and Clyde Scott, Laboratory Protection.

30 YEARS

Evelyn W. Carver, Information; Lou Gunnels, Chemical Technology; Frederick E. Lynch, Engineering Technology; and Clarence W. Mashburn, Plant and Equipment.

25 YEARS

Robert A. Cunningham Jr., Glenn W. Greene, Nathaniel W. Hill, Elmon Leach, William H. Longaker, Mildred M. Payne and Charles E. Thacker.

20 YEARS

Thomas L. Hebble, Bettye K. Seivers and Austin E. Suneson.

ORGDP

35 YEARS

Henry L. Floyd, Operations; James N. Willis, Purchasing; John D. Shelton and Dorothy V. Gordon, General Accounting; James F. Smith, Operations; Glen May, William S. Obrien, Ben C. Owen and James W. Workapick, Maintenance; and Elbert R. McNeal, Operations.

30 YEARS

Robert L. Fitzgerald, Technical Services.

25 YEARS

Charles L. Allen and Jerome W. Starken.

20 YEARS

Paul P. Febbo and Earl T. Varnadore.



RESEARCH PARK OFFICIAL—In dedicating the Oak Ridge National Environmental Research Park on October 2, Ruth C. Clusen, DOE Assistant Secretary for Environment, said, "Oak Ridge, after all, did provide the prototype for a national environmental research park with its ecological study area. Thankfully, that early work finally has provided this ridge and valley region with an official outdoor laboratory." Clusen also unveiled the sign that will be used to direct researchers to the Park. Shown with her are, from left: Chester R. Richmond, ORNL associate director for Biomedical and Environmental Sciences; William W. Burr Jr., director of DOE's Office of Health and Environmental Research; Joseph A. Lenhard, assistant manager for Energy Research and Development, DOE-ORO; and Stanley I. Auerbach, director of ORNL's Environmental Sciences Division.

Save Energy/Share the Ride

Y-12

RIDE or JOIN CAR POOL from Knoxville, Walker Springs area, to Pine Ridge or West Portals, J shift. Karen Williams, plant phone 4-3851, home phone 588-1088.

JOIN CAR POOL from Cedar Bluff area, to North Portal, 8-4:30 shift. Call 4-0142, or 4-0579; or Knoxville 693-6277, or 690-8473.

JOIN or FORM CAR POOL from Cumberland Estates to Central or West Portal, 8-4:30 shift. L. K. Mills, plant phone 4-0122, home phone Knoxville 584-7597.

CAR POOL MEMBERS from Cedar Bluff area, Knoxville, to East or North Portal, 8-4:30 shift. Plant phones 4-0142, or 4-0579; or home phones Knoxville 693-5277, or 690-8473.

ORGDP

VAN POOL MEMBERS from West Knoxville, Concord area, to Portals 5 and 6, 8-4:30 shift. Lee Ford, plant phone 4-9711, home phone Knoxville 966-8331.

CAR POOL MEMBER from Fountain City, Norwood and Halls to Portal 2. 7:45-4:15 shift. Steve Fritts, plant phone 4-7914, or Julie Powers, 4-9588.

FOURTH CAR POOL MEMBER wanted from Walker Springs, Westbridge, to Portal 1 or 2, 7:45-4:15 shift. George, plant phone 6-0505, home phone Knoxville 690-6856.

BUS RIDERS from Harriman, Midtown and Kingston to all portals, straight day. R. K. Hull, plant phone 6-4204, home phone Harriman 882-5618.

ORNL

ONE or TWO CARPOOL MEMBERS from within or near the area bounded by Pennsylvania, West Outer, Highland and Hillside Avenues. 8:15-4:45 shift, East Portal. T. J. Burnett, 4-6683, or Pat Roberts, 4-6744.

RIDE NEEDED from Oak Ridge Highway between Karns and Solway to East Portal, 8:15-4:45. Peterson, plant phone 4-4483; home phone 690-3989.

CAR POOL MEMBER to East or North Portals from Wellington West, Plumb Creek or Lovell Road areas. D. Poker, plant phone 6-2858; home phone 690-6754.

**Remember
to vote
Tuesday,
November 4**

